



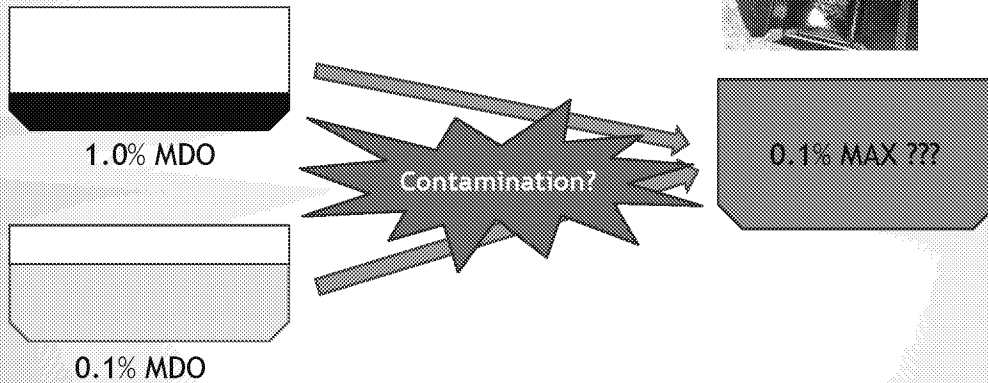
**\* Marubeni's LSDO supply  
in Tokyo bay**

Marubeni Corporation  
Bunker Team

# \*Guarantee 0.1% MAX !

- Clean up barge tank on 6<sup>th</sup> Jan 2015.
- We use the barge only for 0.1 % max MDO.
- We 100% guarantee 0.1% max (DMB except sulfur max 0.1%)

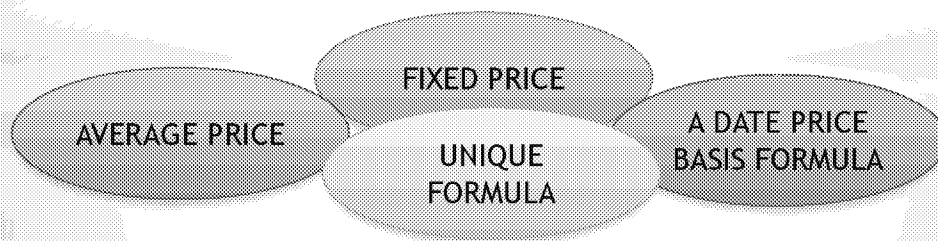
\*Usually, Japanese supplier use supply barge for 1.0% MDO and 0.1% MDO in the same tank, so contamination could be happen.  
( the rest of MDO fuel exist bottom of tank usually)



# \*WHAT IS SPECIAL ?

○We can make various formula for you.

- Fixed price
  - Monthly average price
  - Delivery date base price ( mainly for term contract)
  - Nomination date base price ( mainly for term contract)
- \*we can accept unique price formula not describes above.



# \* BARGE DETAILS

## Koshin Maru NO.3

- Capacity 322cm<sup>3</sup> / Dwt 265mt
- Pumping Rate ab400kl/hour
- Holding approval of SHELL and Tonengeneral(ExxonMobil)
- Boarding crews possess professional skill for bunkering in Tokyo Bay



# \*TYPICAL SPECS

This is the sample of LSMDO spec

|                   |                              |
|-------------------|------------------------------|
| Sulfur            | <u>0.082~0.097%</u>          |
| Density at 15°C   | 855~868 kg/m <sup>3</sup>    |
| Viscosity at 40°C | 2.97~3.15 mm <sup>2</sup> /s |
| Flash Point       | 72~78 °C                     |
| Pour Point        | -30~-42.5 °C                 |

As you see, in the case there is the remaining oil not below 0.1% sulfur on the barge, there is a risk of the supplied product to show a sulfur content of over 0.1%.  
Then, we use exclusive LSDO barge, SO WE CAN GUARANTEE SULFUR 0.1% MAX!

# \*SUPPLY AREA

MARUBENI  
COVERS  
ALL PORTS IN  
TOKYO BAY

